

FIG. 1

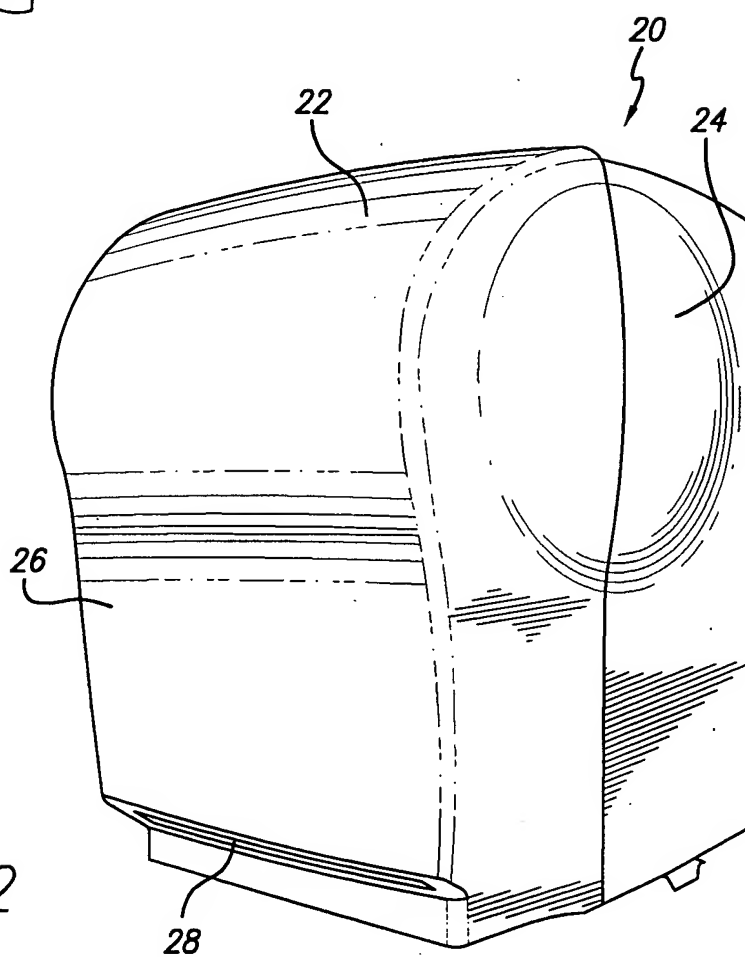
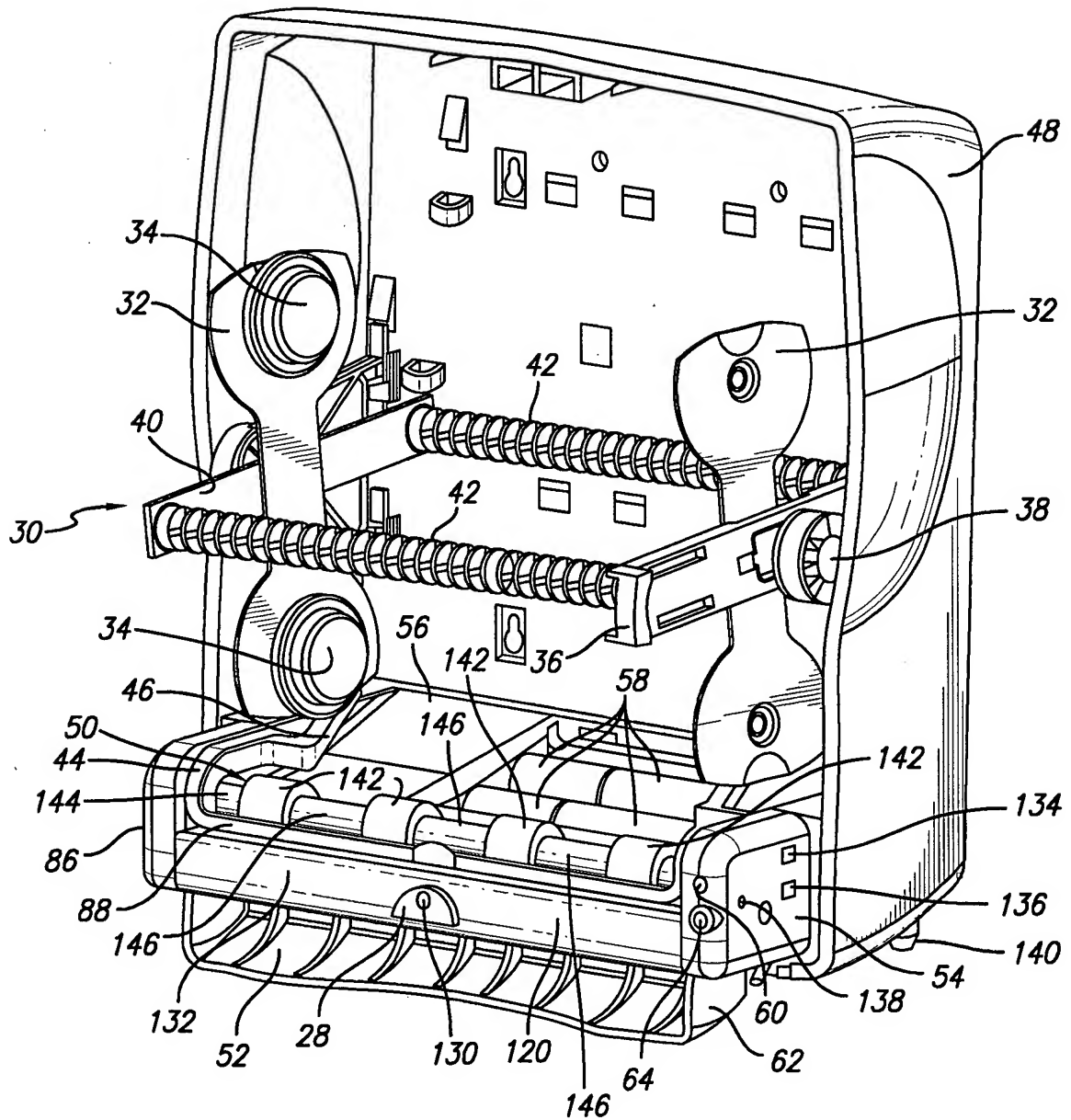


FIG. 2

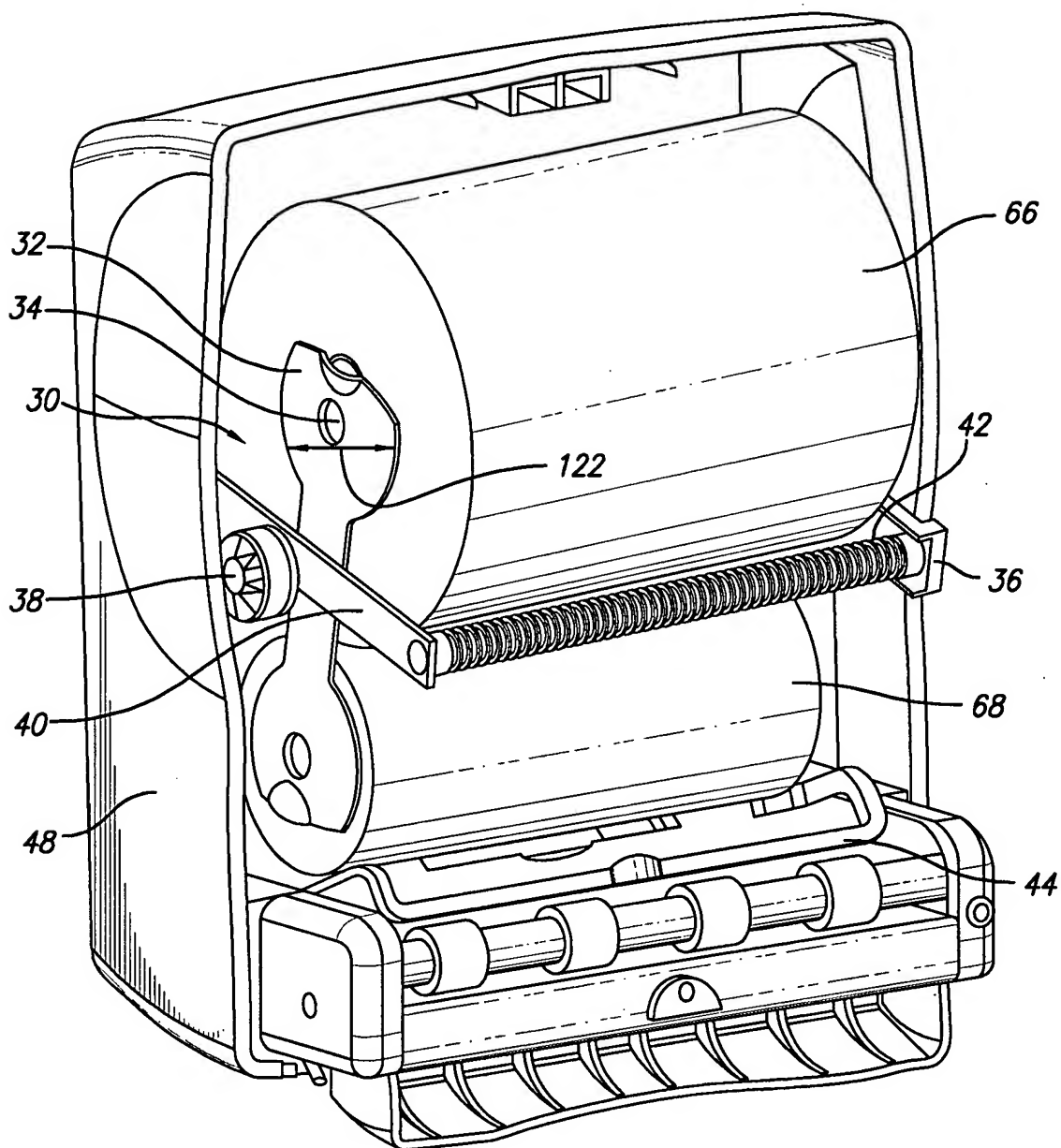
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FIG. 3



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FIG. 4A



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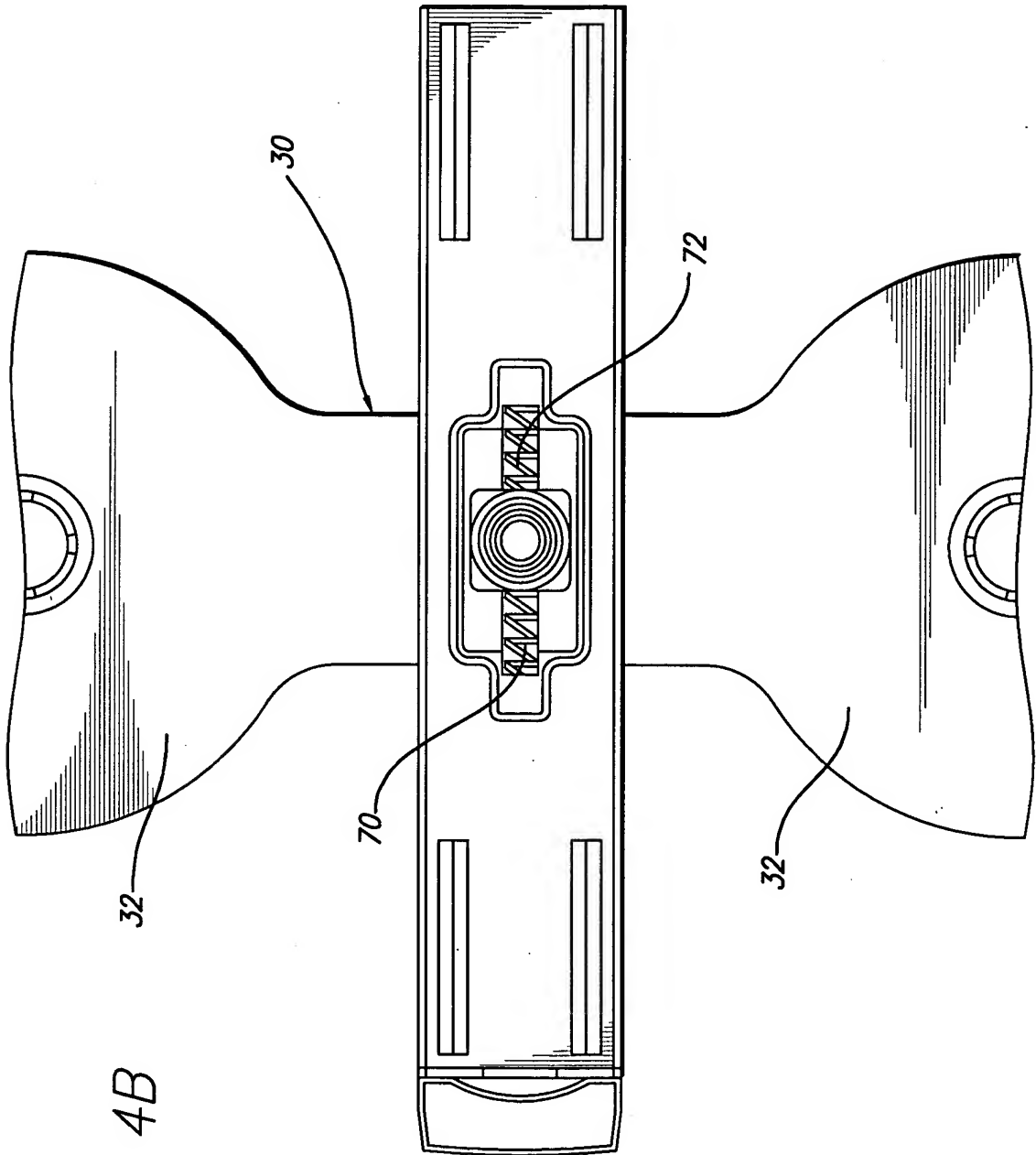
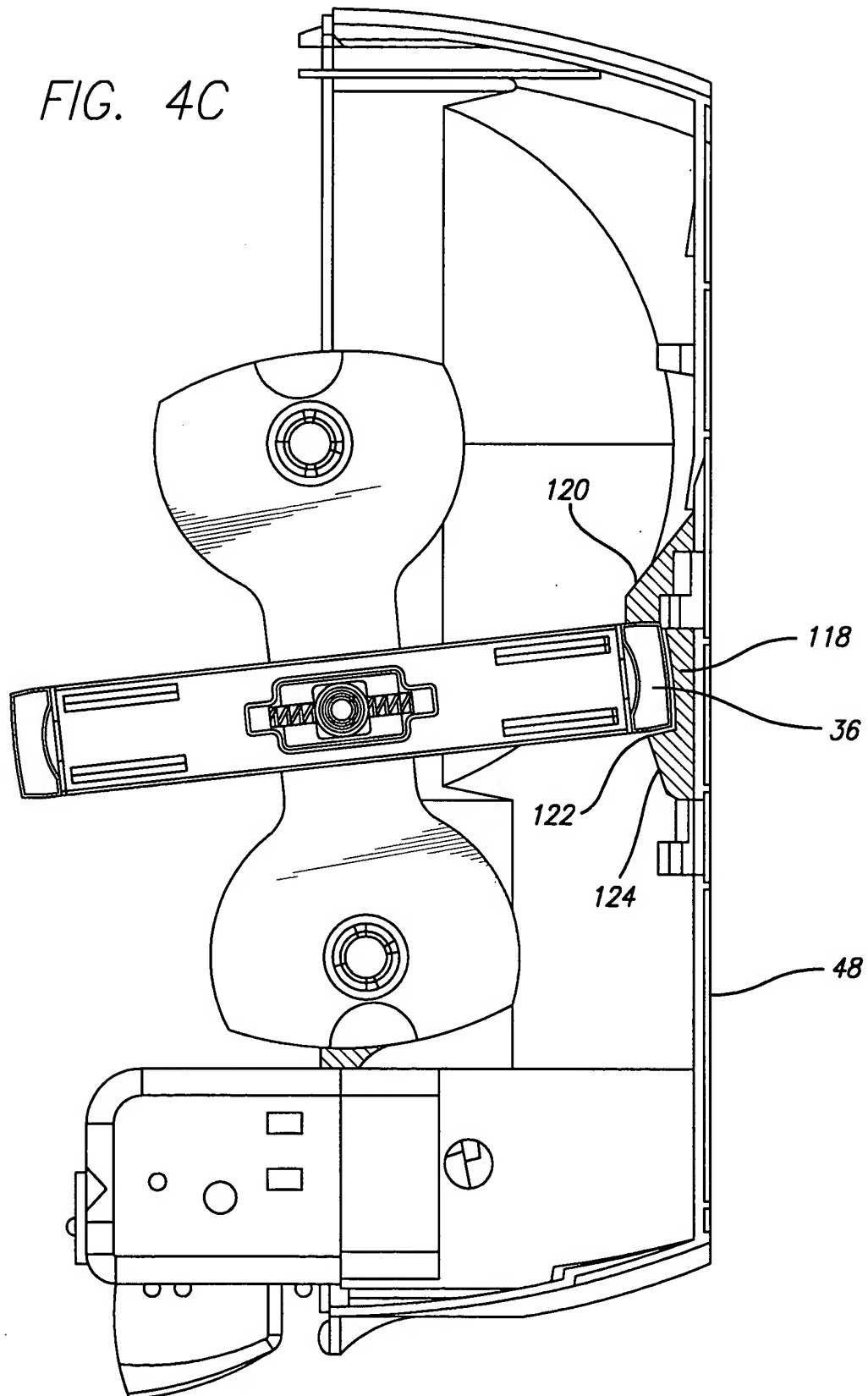


FIG. 4B

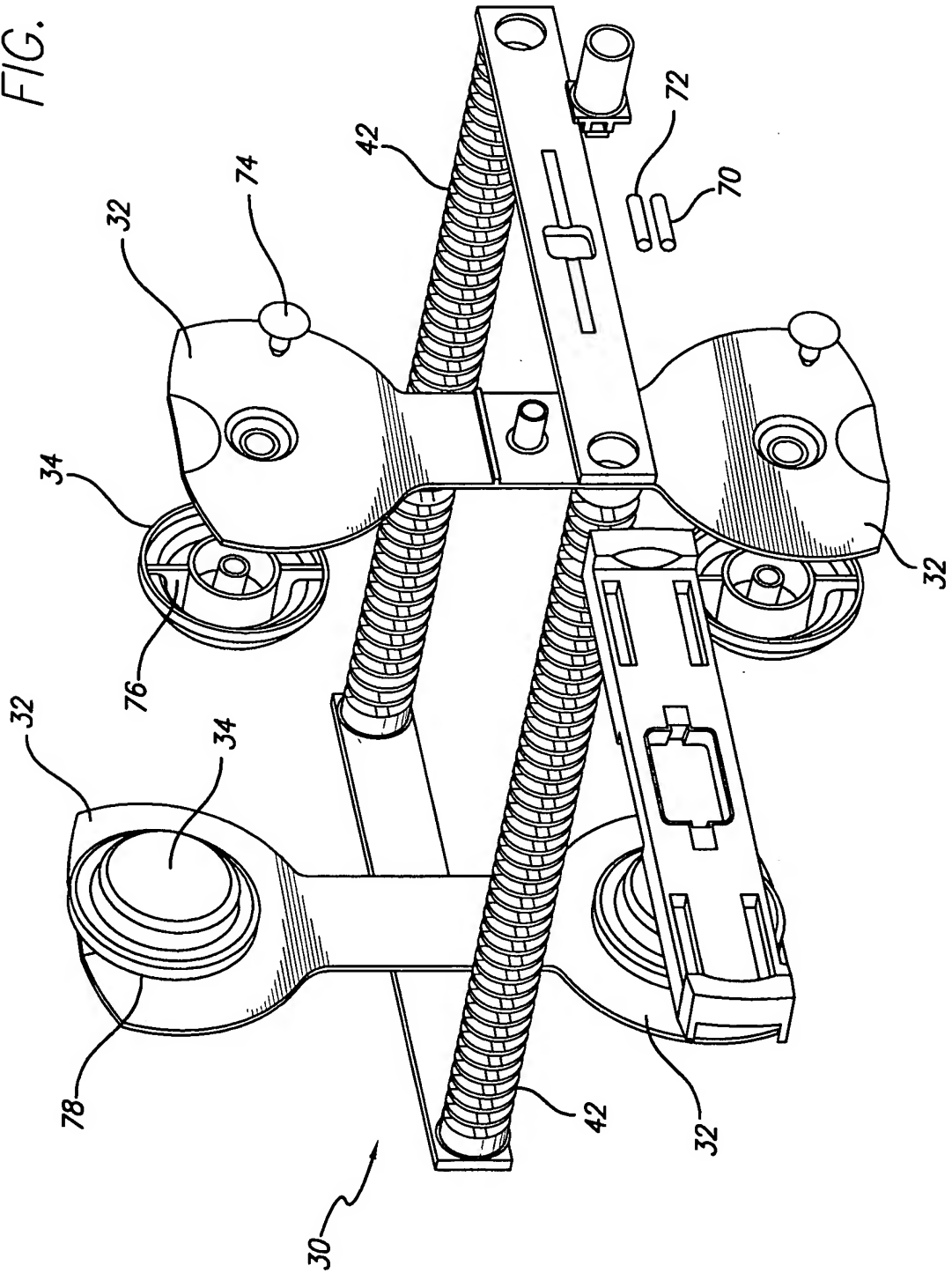
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FIG. 4C



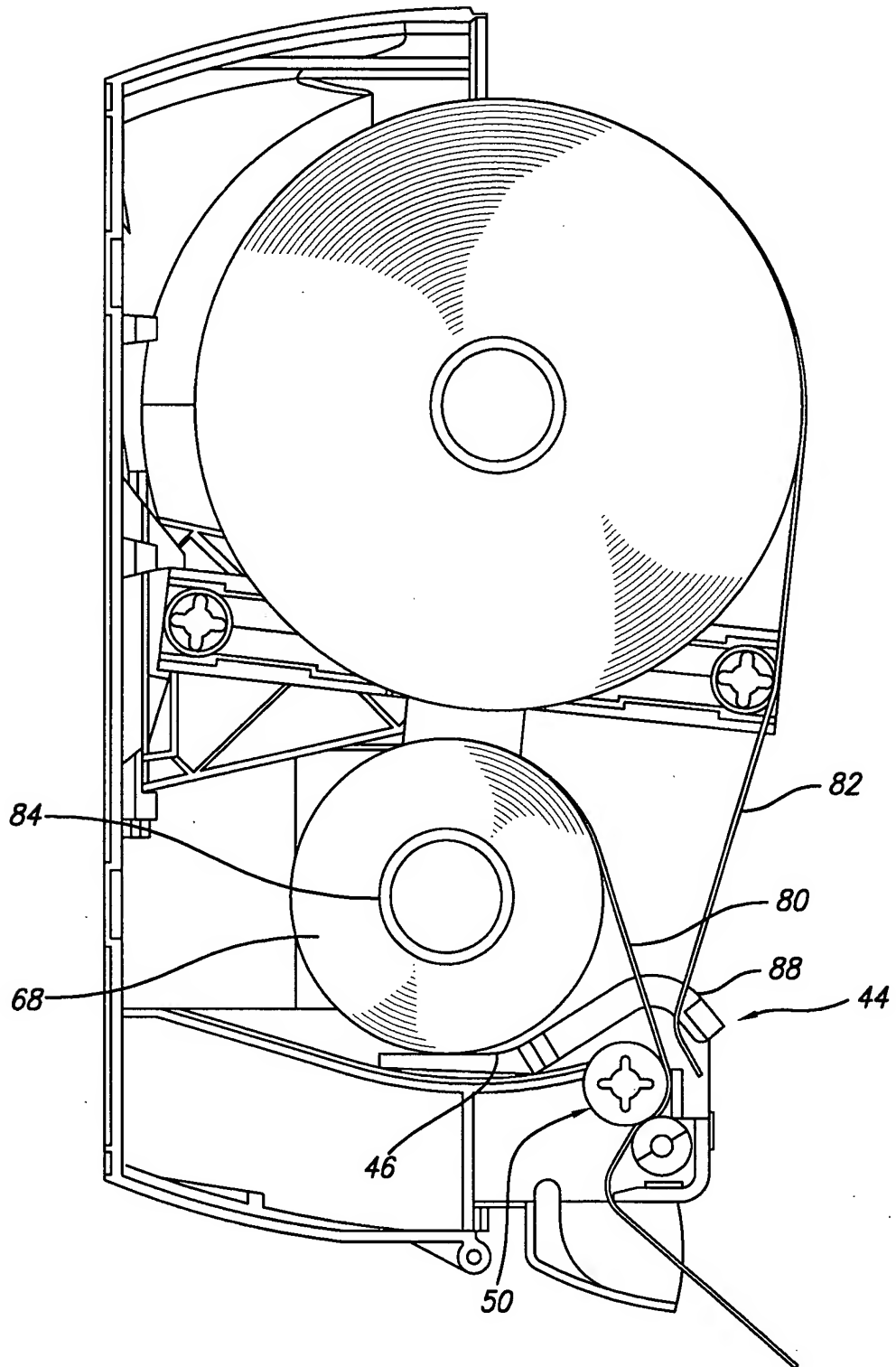
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FIG. 5



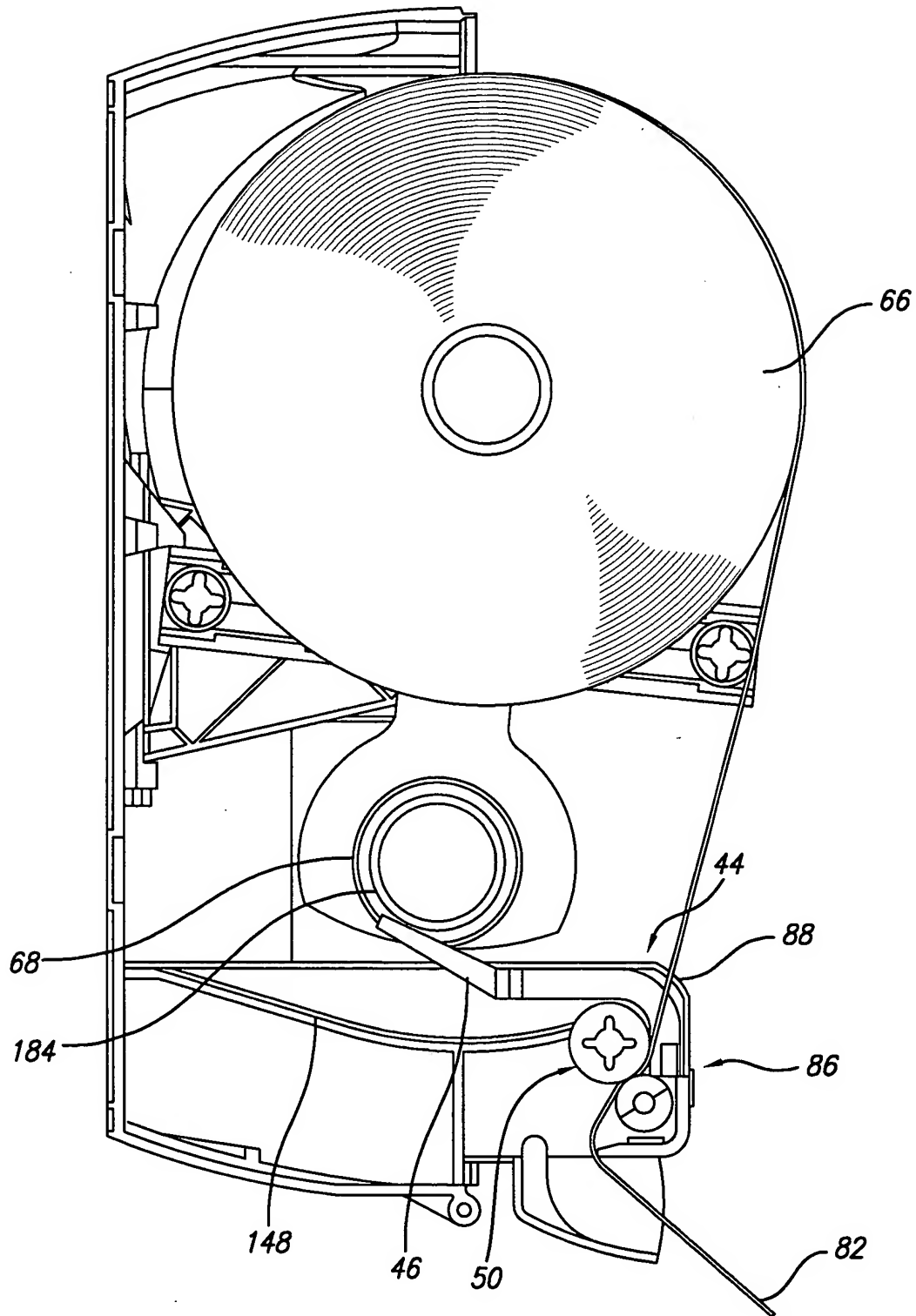
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FIG. 6A



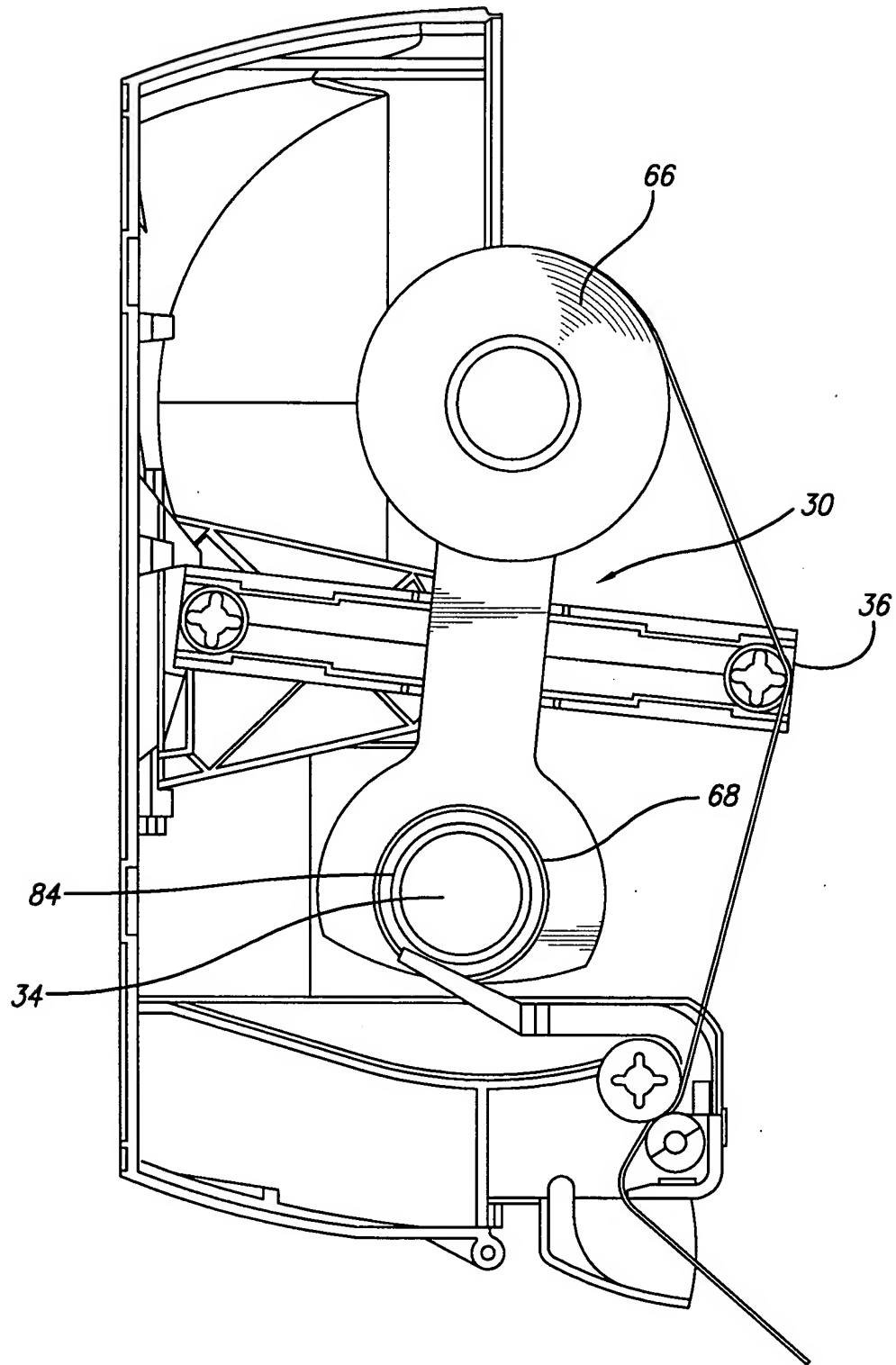
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FIG. 6B



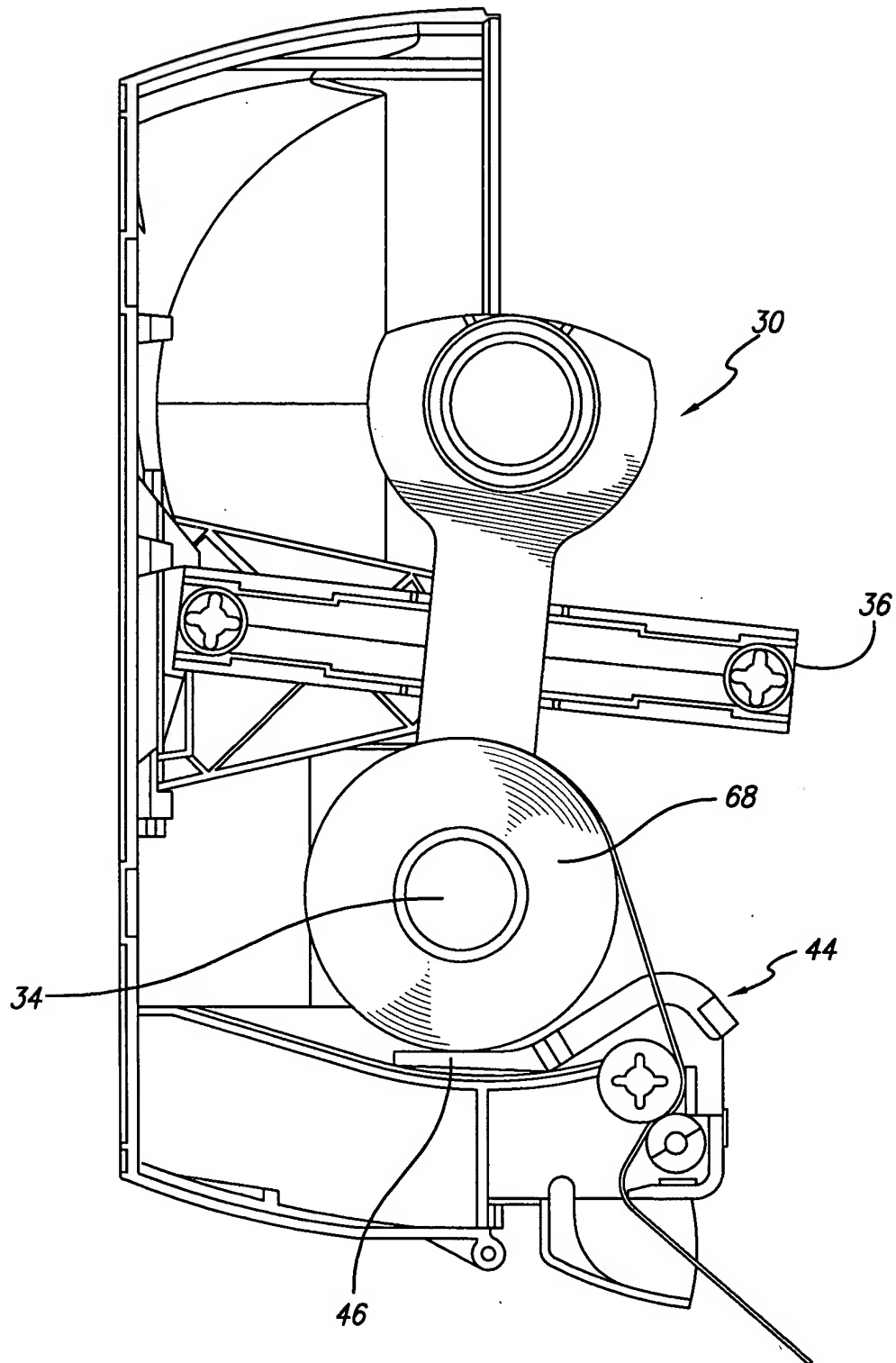
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FIG. 7A

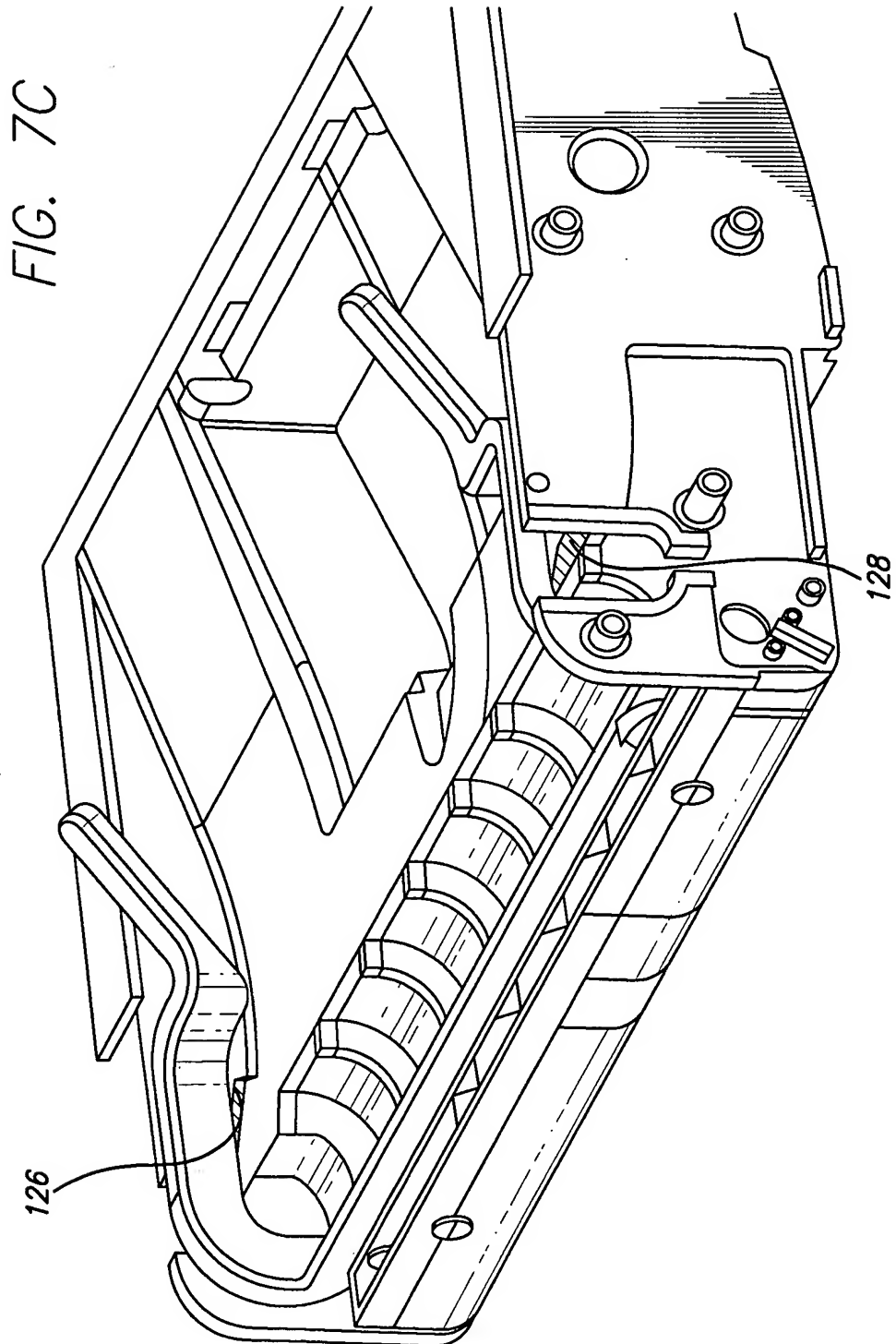


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FIG. 7B



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FIG. 7D

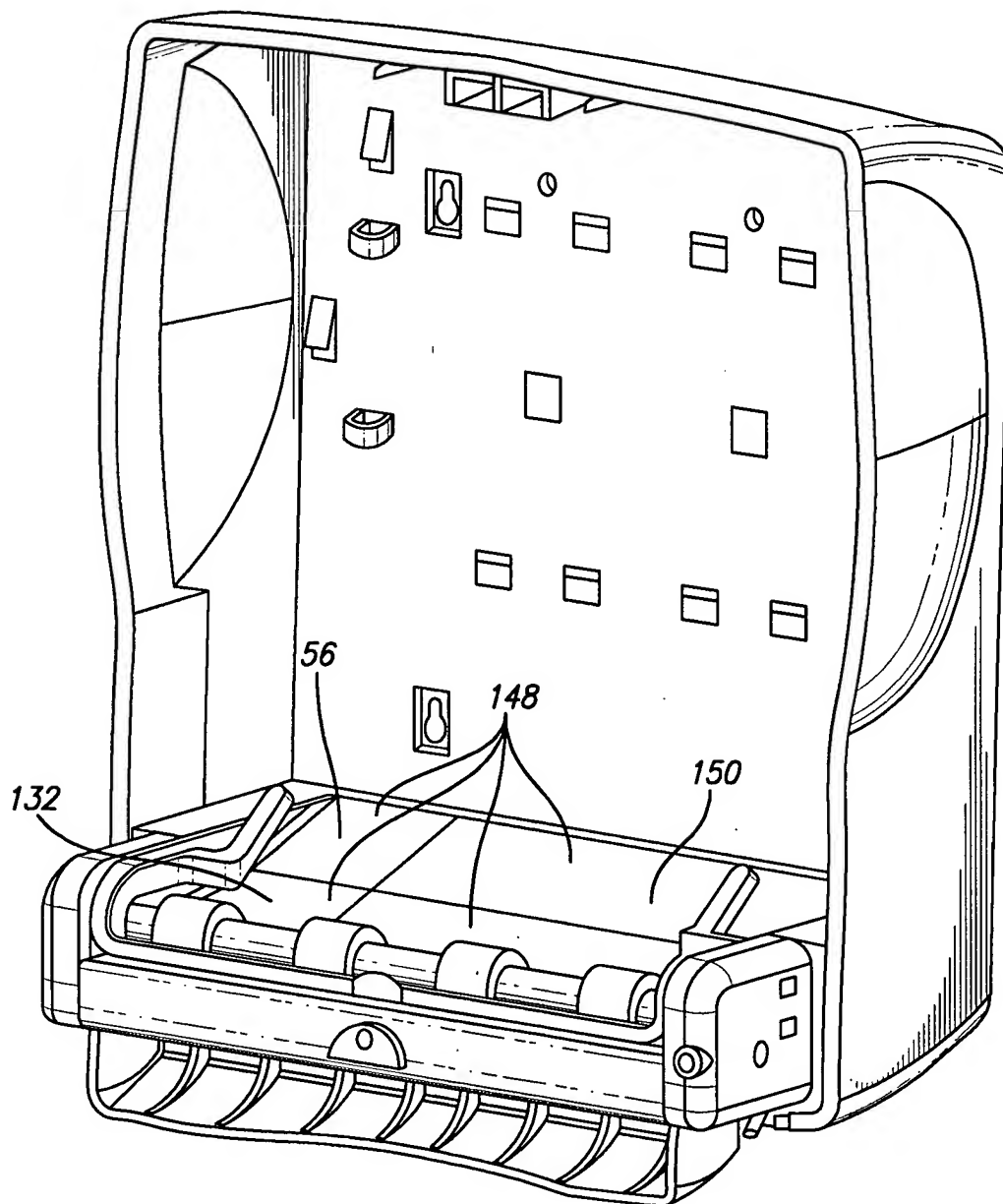


FIG. 8A

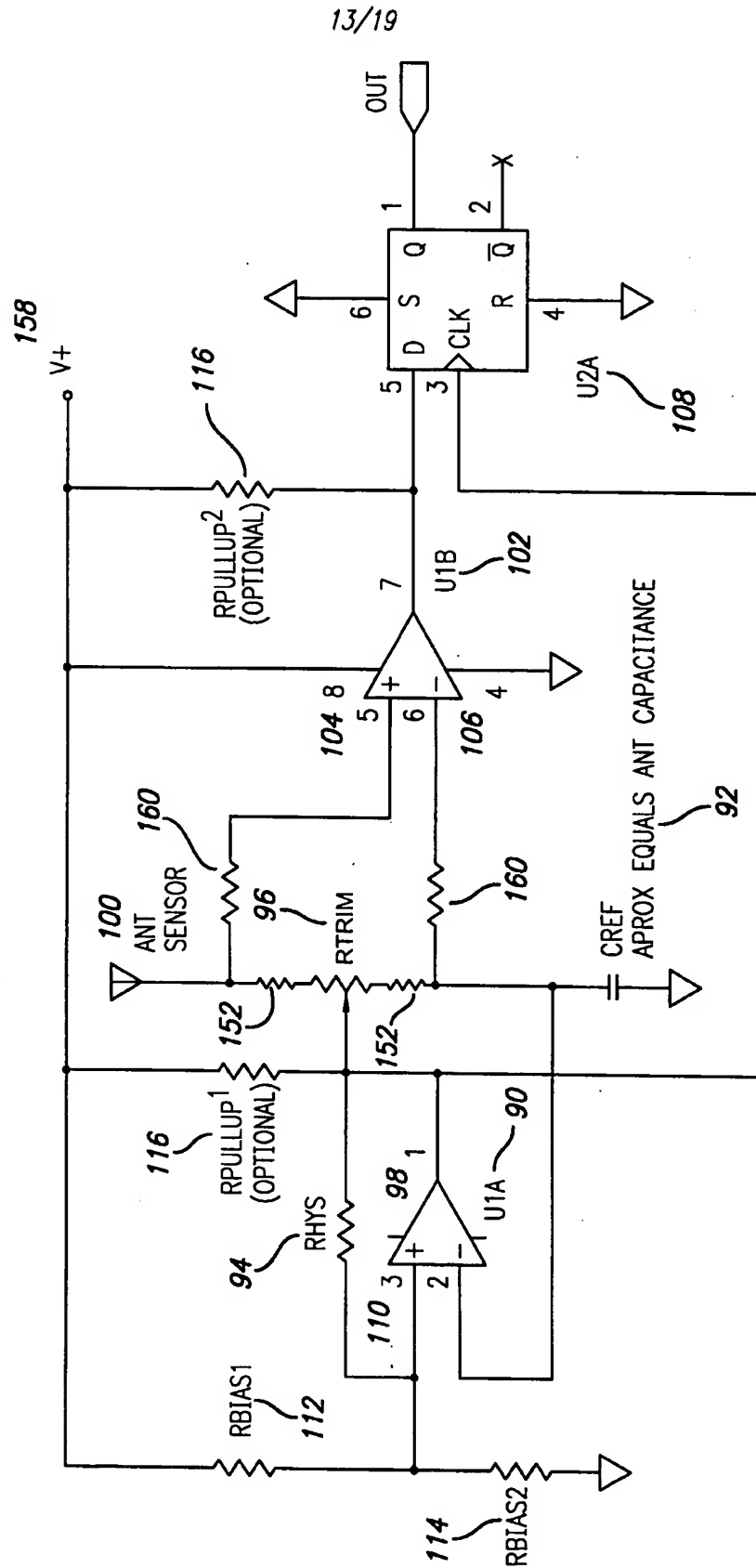


FIG. 8B
 PRIOR ART

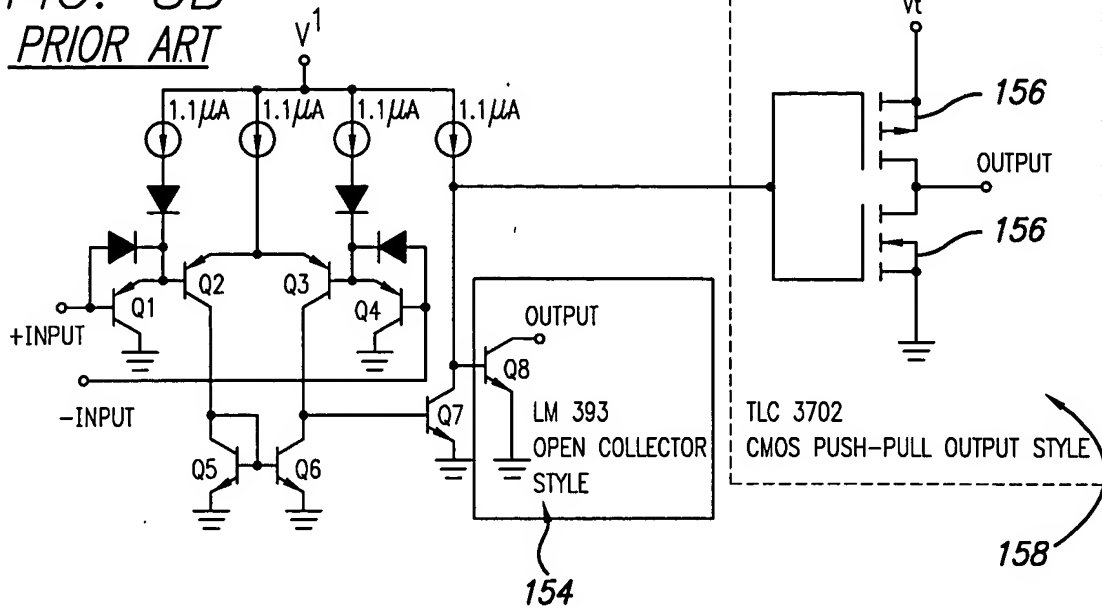


FIG. 9

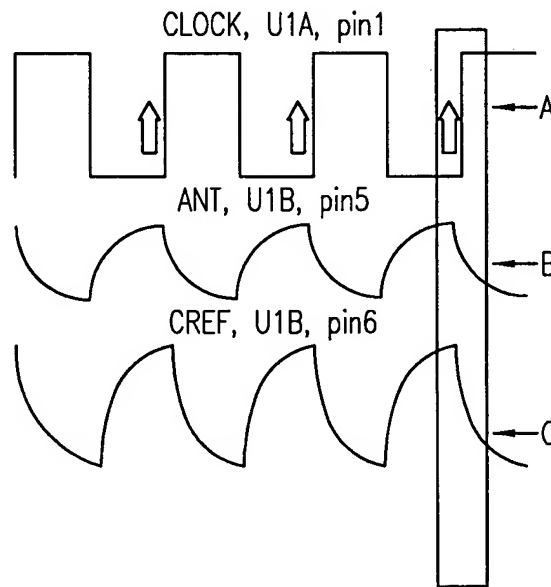
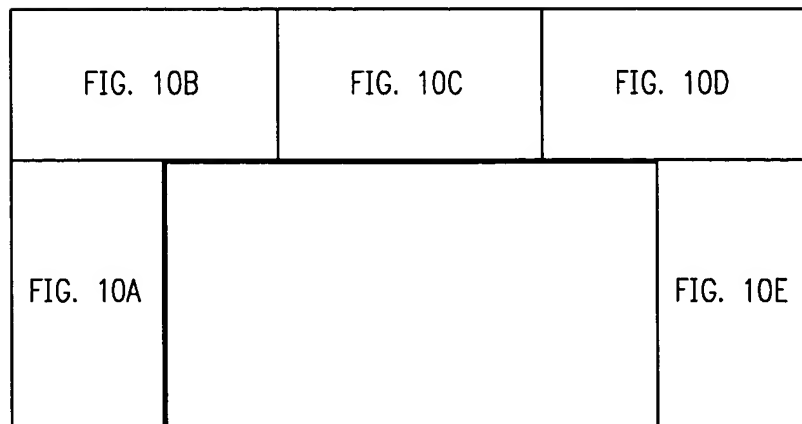


FIG. 10



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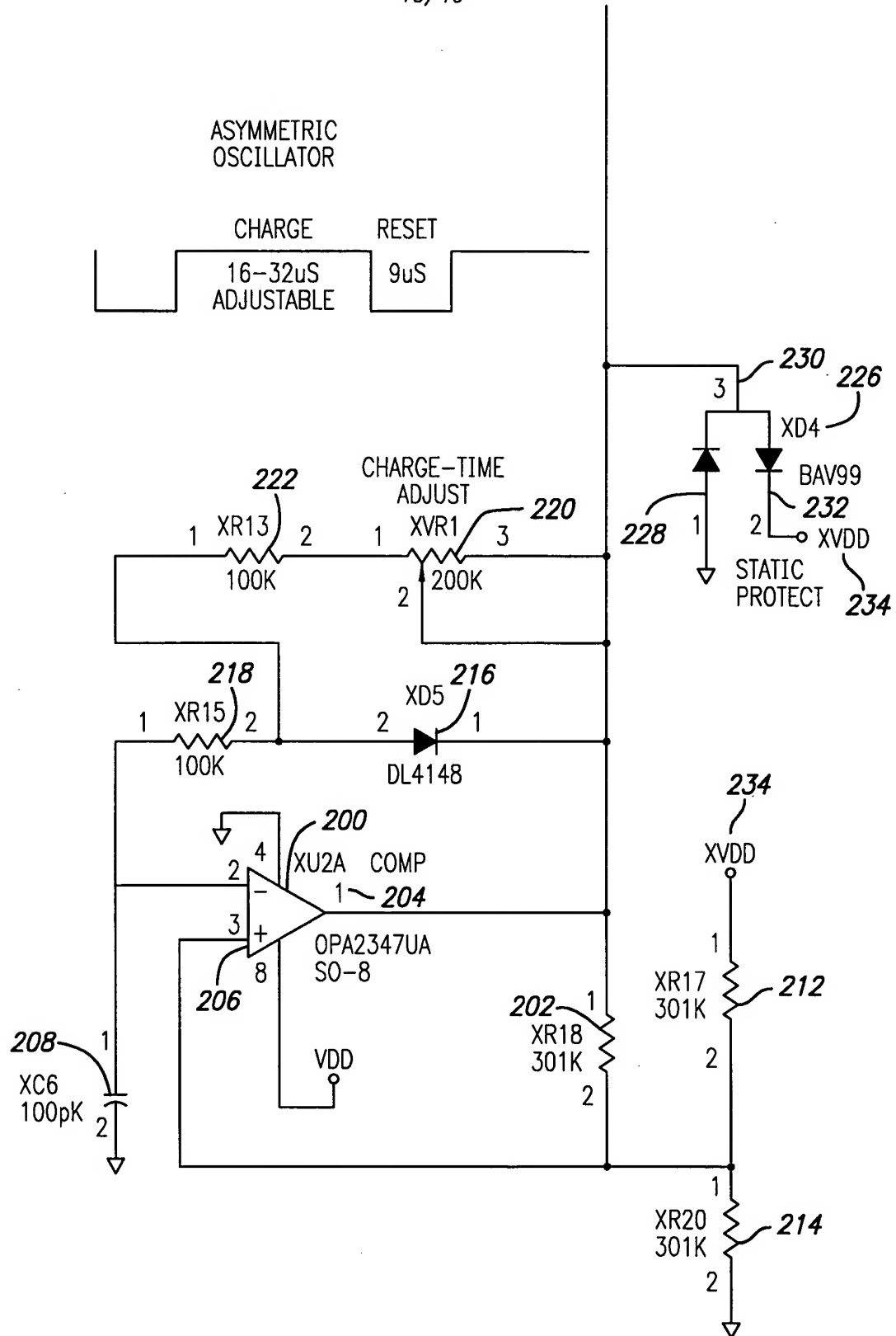


FIG. 10A

LESS EXTERNAL LOAD (LESS CAPACITANCE) CAUSES
 THE ANTENNA TO CHARGE TO A HIGHER VOLTAGE.
 MORE EXTERNAL LOAD (MORE CAPACITANCE) CAUSES
 THE ANTENNA TO CHARGE TO A LOWER VOLTAGE.

CHARGE RESET

FIG. 10B

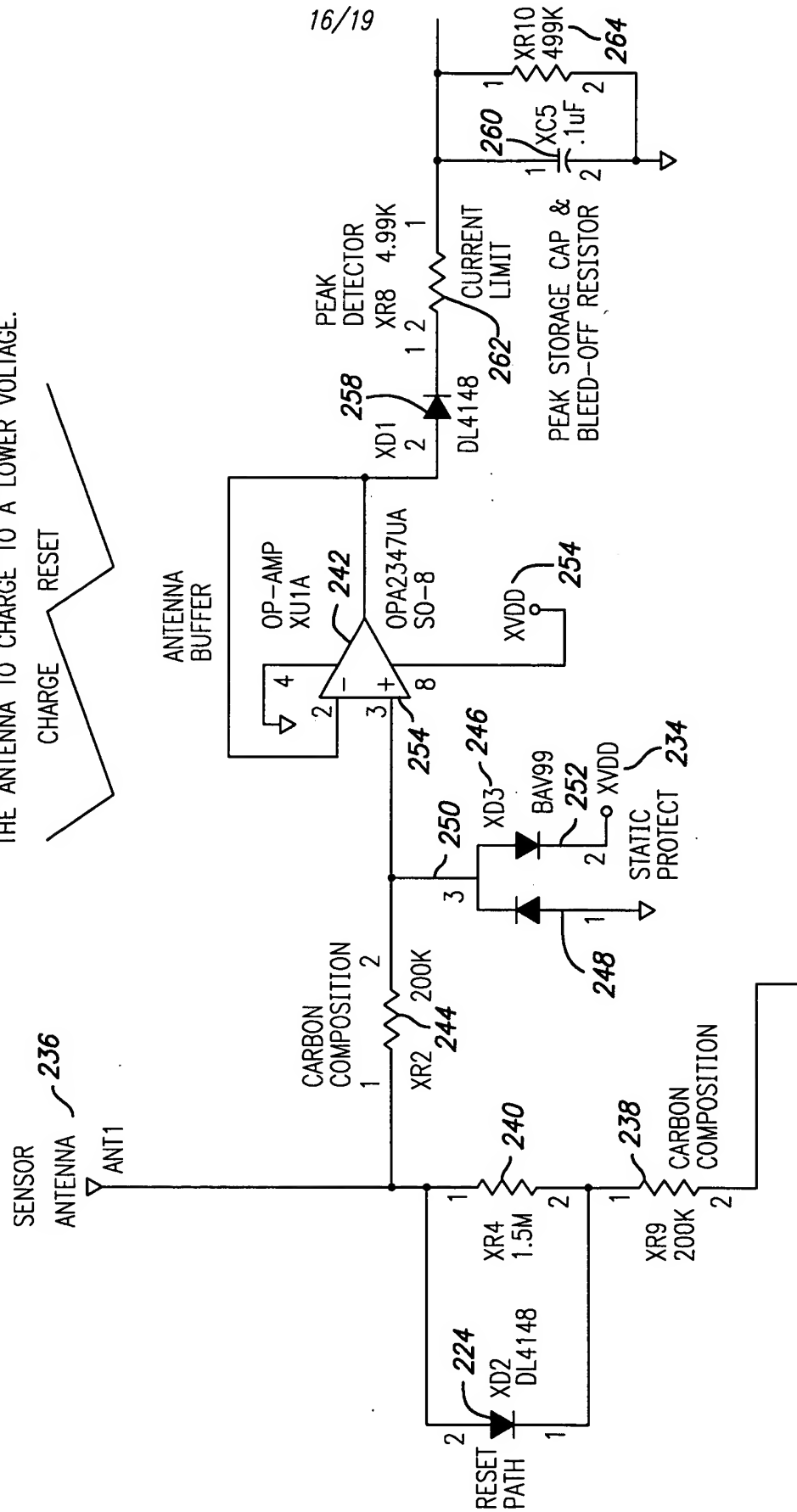
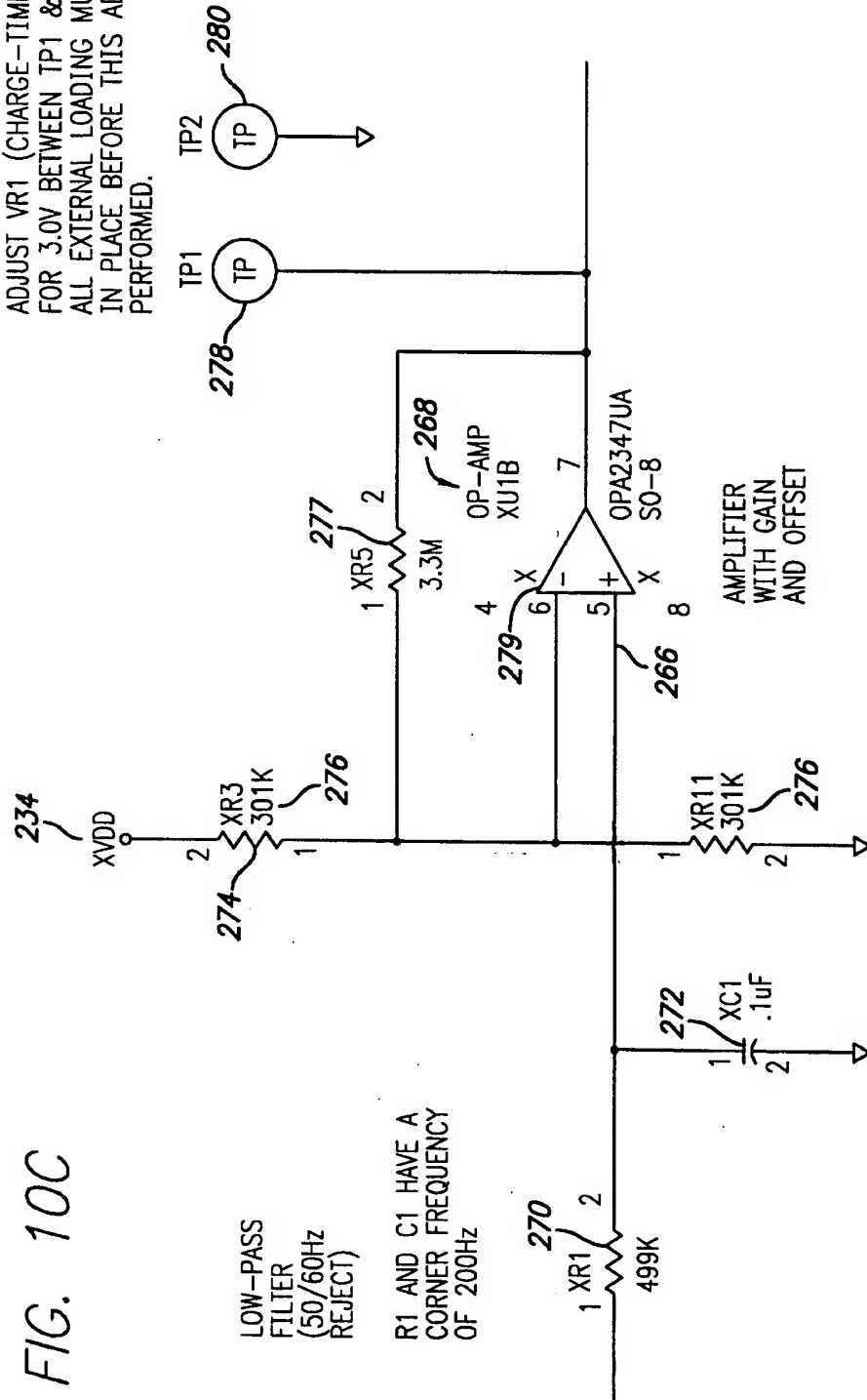
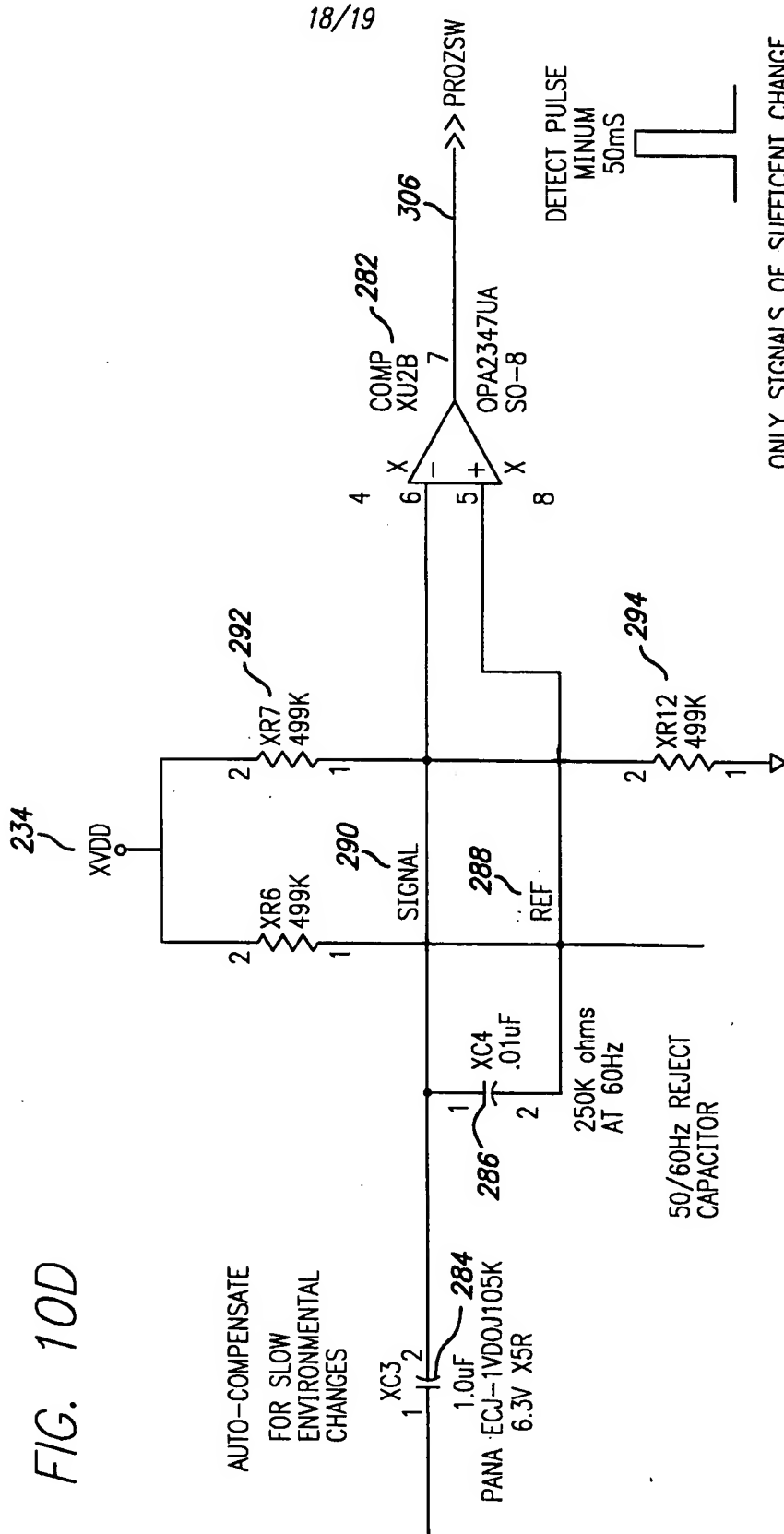


FIG. 10C

ADJUST VR1 (CHARGE-TIME ADJUST)
FOR 3.0V BETWEEN TP1 & TP2.
ALL EXTERNAL LOADING MUST BE
IN PLACE BEFORE THIS ADJUSTMENT IS
PERFORMED.





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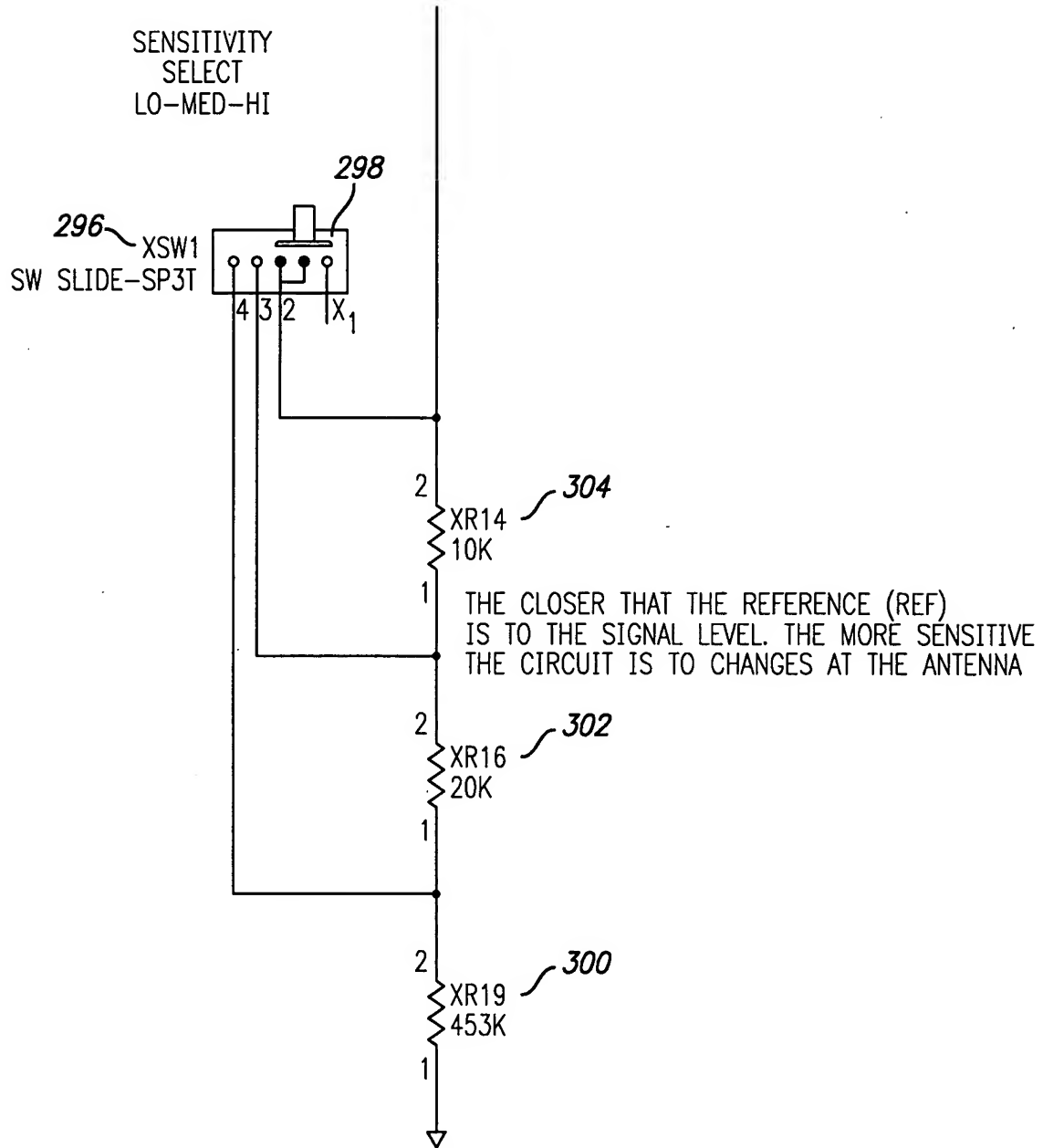


FIG. 10E